

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(h))

Attorney Docket No.	3000229-7031202001
First Inventor	Duane R. Remus
Title	DISPLACEMENT SHIFT VALVE AND PUMPING APPARATUS AND METHODS USING SUCH A VALVE
Express Mail Label No.	EU874341264US

21787 U.S. PTO
10/620121
07/15/03

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Commissioner for Patents Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450
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ENCLOSURES (check all that apply)

- | | |
|---|---|
| <ol style="list-style-type: none"> <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing) <input type="checkbox"/> Applicant claims a small entity status.
See 37 CFR 1.27. <input checked="" type="checkbox"/> Specification [Total Pages 26]
(preferred arrangement set forth below) <ul style="list-style-type: none"> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table or computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 5] <input checked="" type="checkbox"/> Oath or Declaration [Total Pages 2] <ol style="list-style-type: none"> <input checked="" type="checkbox"/> Newly executed (original or copy) <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed) <input type="checkbox"/> DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b) <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | <ol style="list-style-type: none"> <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ol style="list-style-type: none"> <input type="checkbox"/> Computer Readable Form (CRF) Specification Sequence Listing on: <ol style="list-style-type: none"> <input type="checkbox"/> CD-ROM or CD-R (2 copies); or <input type="checkbox"/> paper <input type="checkbox"/> Statements verifying identity of above copies |
|---|---|

ACCOMPANYING APPLICATION PARTS

- ☒ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement (where there is an assignee) ☒ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citation
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
- ☐ Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☐ Other: *

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

<input type="checkbox"/> Continuation	<input type="checkbox"/> Divisional	<input type="checkbox"/> Continuation-in-part (CIP)	of prior application No. *
Prior application information		Examiner *	Group Art Unit: *

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label or ☒ Correspondence address below
(Insert Customer No. or Attach bar code label here)

Name	Bingham McCutchen LLP		
Address	Three Embarcadero Center, Suite 1800		
City	San Francisco	State	CA
Country	US	Zip Code	94111-4067
Name (Print/Type)	William A. English	Telephone	(213) 680-6831
Signature		Fax	(213) 680-6499
		Registration No. (Attorney/Agent)	42,515
		Date	July 15, 2003

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Express Mail Label No.: EU874341264US Date of Deposit: July 15, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to Commissioner for Patents, Mail Stop Patent Application, Alexandria, VA 22313-1450.

Jocelyn L. Lee Jocelyn L. Lee

FEE TRANSMITTAL FOR FY 2003

Patent fees are subject to annual revision.

Complete if Known

Application Number	Not Yet Assigned
Filing Date	July 15, 2003
First Named Inventor	Duane R. Remus
Examiner Name	Not Yet Assigned
Group Art Unit	Not Yet Assigned
Attorney Docket No.	3000229-7031202001

TOTAL AMOUNT OF PAYMENT

(\$)790

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 50-2518

Deposit Account Name Bingham McCutchen LLP

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1001	750	2001	376	Utility filing fee	750
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$)750

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
20	-20** = 0	x 18 = \$0	
Independent Claims	3	-3** = 0	x 84 = \$0

Multiple Dependent

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claims, if not paid
1204	84	2204	42	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)0

** or number previously paid, if greater; For reissues, see above.

FEE CALCULATION (continued)

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Petitions related to provisional applications	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per properties (times number of properties)	40
1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify)					
SUBTOTAL (3)					(\$)40

*Reduced by Basic Filing Fee Paid

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	William A. English	Registration No. (Attorney/Agent)	42,515	Telephone	(213) 680-6831
Signature		Date	July 15, 2003		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.